

**Study Information For**  
***Product Registration - Section 3***  
***84610-E***

<b>MRID</b>	<b>Citation</b>	<b>Receipt Date</b>
47828900	NanoSilva, LLC (2009) Submission of Product Chemistry, Environmental Fate and Toxicity Data in Support of the Application for Registration of NanoSilva Antimicrobial. Transmittal of 25 Studies.	12-Aug-2009
47828901	Krause, W. (2008) NanoSilva Antimicrobial: Product Identity and Composition. Project Number: 3208/1550. Unpublished study prepared by NanoSilva, LLC. 11 p.	12-Aug-2009
47828902	Krause, W. (2008) NanoSilva Antimicrobial: Description of Materials Used to Produce the Product. Project Number: 3208/1600. Unpublished study prepared by NanoSilva, LLC. 60 p.	12-Aug-2009
47828903	Krause, W. (2008) NanoSilva Antimicrobial: Description of Production Process. Project Number: 3208/1620. Unpublished study prepared by NanoSilva, LLC. 20 p.	12-Aug-2009
47828904	Krause, W. (2008) NanoSilva Antimicrobial: Description of Formulation Process. Project Number: 3208/1650. Unpublished study prepared by NanoSilva, LLC. 14 p.	12-Aug-2009
47828905	Krause, W. (2008) NanoSilva Antimicrobial: Discussion of Formation of Impurities. Project Number: 3208/1670. Unpublished study prepared by NanoSilva, LLC. 29 p.	12-Aug-2009
47828906	Kmieck, P. (2007) NanoSilva Antimicrobial: Preliminary Analysis. Project Number: 060407/3778/70. Unpublished study prepared by Kappa Laboratories, Inc. 51 p.	12-Aug-2009
47828907	Kmieck, P. (2007) NanoSilva Antimicrobial: Certified Limits. Project Number: 060407/3778/71. Unpublished study prepared by Kappa Laboratories, Inc. 7 p.	12-Aug-2009
47828908	Kmieck, P. (2007) NanoSilva Antimicrobial: Enforcement Analytical Method. Project Number: 060407/3778/72, P507. Unpublished study prepared by Kappa Laboratories, Inc. 51 p.	12-Aug-2009
47828909	Kmieck, P. (2007) NanoSilva Antimicrobial: Color. Project Number: P502, 060407/3778/73. Unpublished study prepared by Kappa Laboratories, Inc. 9 p.	12-Aug-2009
47828910	Kmieck, P. (2007) NanoSilva Antimicrobial: Physical State Analysis. Project Number: 060407/3778/74, P508. Unpublished study prepared by Kappa Laboratories, Inc. 9 p.	12-Aug-2009
47828911	Kmieck, P. (2007) NanoSilva Antimicrobial: Odor. Project Number: 060407/3778/75, P501. Unpublished study prepared by Kappa Laboratories, Inc. 10 p.	12-Aug-2009
47828912	Kmieck, P. (2008) NanoSilva Antimicrobial: Room Temperature Stability Study and Corrosion Characteristics. Project Number: 060407/3778/80, P509/P510. Unpublished	12-Aug-

	study prepared by Kappa Laboratories, Inc. 14 p.	2009
47828913	Kmieck, P. (2007) NanoSilva Antimicrobial: pH Analysis. Project Number: 060407/3778/79, P500. Unpublished study prepared by Kappa Laboratories, Inc. 18 p.	12-Aug-2009
47828914	Kmieck, P. (2007) Nanosilva Antimicrobial: Viscosity Analysis. Project Number: P506, 060407/3778/81. Unpublished study prepared by Kappa Laboratories, Inc. 14 p.	12-Aug-2009
47828915	Kmieck, P. (2007) Nanosilva Antimicrobial: Boiling Point/Boiling Range. Project Number: 060407/3778/76, P505. Unpublished study prepared by Kappa Laboratories, Inc. 17 p.	12-Aug-2009
47828916	Kmieck, P. (2007) Nanosilva Antimicrobial: Density/Relative Density/Bulk Density. Project Number: 060407/3778/77, P503. Unpublished study prepared by Kappa Laboratories, Inc. 21 p.	12-Aug-2009
47828917	Kmieck, P. (2007) Nanosilva Antimicrobial: Water Solubility: Column Elution Method. Project Number: 060407/3778/78, P504. Unpublished study prepared by Kappa Laboratories, Inc. 11 p.	12-Aug-2009
47828918	Lowe, C. (2007) Nanosilva Antimicrobial: Acute Oral Toxicity Up and Down Procedure in Rats. Project Number: P320/UDP, 22492. Unpublished study prepared by Eurofins/Product Safety Laboratories. 14 p.	12-Aug-2009
47828919	Lowe, C. (2007) Nanosilva Antimicrobial: Acute Dermal Toxicity Study in Rats - Limit Test. Project Number: 22493, P322/RAT. Unpublished study prepared by Eurofins/Product Safety Laboratories. 14 p.	12-Aug-2009
47828920	Lowe, C. (2007) Nanosilva Antimicrobial: Acute Inhalation Toxicity Study in Rats - Limit Test. Project Number: 22494, P330. Unpublished study prepared by Eurofins/Product Safety Laboratories. 22 p.	12-Aug-2009
47828921	Lowe, C. (2007) Nanosilva Antimicrobial: Primary Eye Irritation Study in Rabbits. Project Number: 22495, P324. Unpublished study prepared by Eurofins/Product Safety Laboratories. 15 p.	12-Aug-2009
47828922	Lowe, C. (2007) Nanosilva Antimicrobial: Primary Skin Irritation Study in Rabbits. Project Number: 22496, P326. Unpublished study prepared by Eurofins/Product Safety Laboratories. 15 p.	12-Aug-2009
47828923	Lowe, C. (2007) Nanosilva Antimicrobial: Dermal Sensitization Study in Guinea Pigs (Buehler Method). Project Number: 22497, P328. Unpublished study prepared by Eurofins/Product Safety Laboratories. 22 p.	12-Aug-2009
47828924	Krause, W. (2009) Nanosilva Antimicrobial: Waivers (for Hydrolysis, Aquatic Invertebrate Acute Toxicity Test, Fresh Daphnids, Fish Acute Toxicity Test, Avian Acute Oral Toxicity, 90-Day Dermal Toxicity, Prenatal Developmental Toxicity, Bacterial Reverse Mutation Assay, Detection of Gene Mutations in Somatic Cells in Culture, In Vitro Mammalian Cytogenetics, Mammalian Bone Marrow Chromosome Aberration Test and Immunotoxicity). Project Number: 20409/2120, 20409/1010, 20409/1075. Unpublished study prepared by Nanosilva, LLC. 25 p.	12-Aug-2009
47828925	Kmieck, P. (2009) [Silver - Silica Colloid - (NSPW-L30SS - Product Code)]: Leaching Protocol for Nanosilva Antimicrobial Treated LLDPE Polymer in Food and Food Simulated Matrices as Functions of Time, Temperature and Chemistry of the Matrix with	12-Aug-2009

	Determined Migration Values. Project Number: 090106/1754/55/74, P450. Unpublished study prepared by Kappa Laboratories, Inc. 939 p.	
48379900	Nanosilva, LLC (2011) Submission of Product Chemistry Data in Support of the Application for Registration of Nanosilva Antimicrobial. Transmittal of 4 Studies.	09-Feb-2011
48379901	Lee, J.; Kim, D.; Jun, Y.; et al. (2006) Preparation of Silica-Silver Heterogeneous Nanocomposite Particles by One-Pot Preparation Strategy Using Polyol Process: Size-Controlled Immobilization of Silver Nanoparticles. Materials Research Bulletin 41:1407-1416.	09-Feb-2011
48379902	Lee, J.; Kim, D.; Jun, Y.; et al. (2006) Facile Route for Preparation of Silica-Silver Heterogeneous Nanocomposite Particles Using Alcohol Reduction Method. Unpublished study prepared by HanYang University. 9 p.	09-Feb-2011
48379903	Lee, J.; Kim, D.; Jun, Y.; et al. (2006) Preparation of Silica-Silver Heterogeneous Nanocomposite Particles by One-Pot Preparation Strategy Using Polyol Process: Size-Controlled Immobilization of Silver Nanoparticles. Materials Research Bulletin 41:1407-1416.	09-Feb-2011
48379904	Lee, J.; Kim, D.; Jun, Y.; et al. (2006) Facile Route for Preparation of Silica - Silver Heterogeneous Nanocomposite Particles Using Alcohol Reduction Method. ScienceDirect 61:1558-1562.	09-Feb-2011
48652900	NanoSilva, LLC (2011) Submission of Product Chemistry Data in Support of the Application for Registration of Nanosilva Antimicrobial. Transmittal of 1 Study.	09-Nov-2011
48652901	Krause, W. (2011) Determination of Silver Content and Silver Recovery Rate for NSPW-L30SS. Project Number: 102611/0001 4545/11. Unpublished study prepared by NanoSilva, LLC. 24p.	09-Nov-2011
49019200	Nanosilva, LLC (2012) Submission of Residue Data in Support of the Application for Registration of NanoSilva Antimicrobial. Transmittal of 1 Study.	17-Dec-2012
49019201	Krause, W. (2012) NanoSilva Antimicrobial: The Quantification and Characterization of Silver Released from Textiles Treated with NanoSilva (NSPW-L30) as a Result of Washing. Project Number: 110112/0001. Unpublished study prepared by NanoSilva, LLC. 159p.	17-Dec-2012
49045300	NanoSilva, LLC (2013) Submission of Product Chemistry Data in Support of the Application for Registration of Nanosilva TM Antimicrobial. Transmittal of 1 Study.	29-Jan-2013
49045301	Krause, W. (2012) The Quantification of Silver Released from Textiles Treated with NSPW-L30SS as a Result of Simulated Contact/Exposure Conditions with Synthetic Saliva. Project Number: 110112/0001/SUPPLEMENT/1, 102611/0001. Unpublished study prepared by Nanosilva, LLC. 225p.	29-Jan-2013
49190800	NanoSilva, LLC (2013) Submission of Product Chemistry Data in Support of the Application for Registration of NanoSilva Antimicrobial. Transmittal of 1 Study.	05-Aug-2013
49190801	Krause, W. (2013) NanoSilva Antimicrobial: The Quantification and Characterization of Silver Released from Textiles Treated with NSPW-L30SS as a Result of Simulated Laundering Conditions. Project Number: 110112/0001REVISION/2. Unpublished study prepared by NanoSilva, LLC. 353p.	05-Aug-2013
49224900	NanoSilva, LLC (2013) Submission of Product Chemistry Data in Support of the	26-Sep-

	Application for Registration of NanoSilva Antimicrobial. Transmittal of 1 Study.	2013
49224901	Krause, W. (2013) The Quantification and Characterization of Silver Released from Textiles Treated with NSPW-LS30SS As a Result of Simulated Laundering Conditions. Project Number: 110112/0001. 353p.	26-Sep-2013
49941900	Poly-Technical Solutions, Ltd (2016) Submission of Product Chemistry Data in Support of the Registration of NSPW-L30SS. Transmittal of 1 Study.	07-Jun-2016
49941901	Compton, S. (2016) Characterization of NSPW-L30SS: Particle Sizing, Surface Area, Zeta Potential and Photo Correlation Spectroscopy (PCS), X-Ray Photoemission Spectroscopy (XPS). Project Number: MVA11501. Unpublished study prepared by MVA Scientific Consultants. 37p.	07-Jun-2016
50301200	Poly-Technical Solutions Limited (2017) Submission of Toxicity, Fate and Environmental Fate Data in Support of the Future Registration of NSPW-L30SS. Transmittal of 9 Studies.	07-Jun-2017
50301201	Chen, J. (2017) An Oral Reproduction/Developmental Toxicity Study in Rats. Project Number: P743/01. Unpublished study prepared by Product Safety Laboratories. 18p.	07-Jun-2017
50301202	Mikulas, J. (2017) Daphnia magna Chronic Toxicity Test. Project Number: 21046/17. Unpublished study prepared by Stillmeadow, Inc. 9p.	07-Jun-2017
50301203	Mikulas, J. (2017) Fish Early-Life Stage Toxicity Test with Pimephales promelas. Project Number: 21047/17. Unpublished study prepared by Stillmeadow, Inc. 9p.	07-Jun-2017
50301204	Mikulas, J. (2017) Algal Toxicity Test with Anabaena flos-aquae. Project Number: 21044/17. Unpublished study prepared by Stillmeadow, Inc. 9p.	07-Jun-2017
50301205	Mikulas, J. (2017) 96-Hour Algal Toxicity Test with Pseudokirchneriella subcapitata. Project Number: 21043/17. Unpublished study prepared by Stillmeadow, Inc. 9p.	07-Jun-2017
50301206	Mikulas, J. (2017) Activated Sludge, Respiration Inhibition Test. Project Number: 21048/17. Unpublished study prepared by Stillmeadow, Inc. 7p.	07-Jun-2017
50301207	Mikulas, J. (2017) Aquatic Plant Toxicity Test Using Lemna gibba. Project Number: 21042/17. Unpublished study prepared by Stillmeadow, Inc. 10p.	07-Jun-2017
50301208	Mikulas, J. (2017) Rainbow Trout (Oncorhynchus mykiss) Non-Renewal 96-Hour Acute Toxicity Test. Project Number: 21045/17. Unpublished study prepared by Stillmeadow, Inc. 8p.	07-Jun-2017
50301209	Mikulas, J. (2017) Daphnia magna 48-Hour Acute Toxicity Test. Project Number: 21050/17. Unpublished study prepared by Stillmeadow, Inc. 8p.	07-Jun-2017
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50425701	Mikulas, J. (2017) NSPW-L30SS: Daphnia magna 48-Hour Acute Toxicity Range-Finder Test. Project Number: 21050/17. Unpublished study prepared by Stillmeadow, Inc. 29p.	27-Oct-2017
Total Rows: 55		